

IN THE CLAIMS:

Please amend claims 43, 45, 51 and 52 to be in the following form in this application. Applicant has attached hereto additional pages showing the amendments to claims 43, 45, 51 and 52 and a copy of the remaining unamended claims.

43. (Amended) A method for continuous tracking the location of mobile units, comprising the steps of:

providing at least one mobile unit having a wireless transceiver and a unique address;

providing at least one stationary base unit having a phase array antenna with three or more single antenna elements, where said stationary base unit periodically polls said at least one mobile unit to trigger transmission of at least one signal from said mobile unit to said stationary base unit;

receiving said signal, including an address from said mobile unit at said stationary base unit via said phase array antenna;

measuring the phase difference of said signal arriving at said three or more antenna elements of said phase array antenna;

performing calculations by expressing the phase difference at a plurality of points of location of said antenna elements of said stationary base unit relative to at least one other point of location of another antenna element of the same stationary base unit; and

determining the location of each at least one mobile unit using a single one of the at least one stationary unit by determining azimuths of each mobile unit from the phase differences at a plurality of points of said single antenna elements of the single base unit and calculating the polar coordinates of intersections of the azimuths.

44. Cancel without prejudice.

C2 2 45. (Amended) The method according to claim 43, further comprising a step of transmitting said calculated coordinates of said mobile unit from said at least one stationary base unit to a main unit.

C3 8 51. (Amended) The method according to claim 43, wherein the calculations are performed in a stationary base unit.

9 52. (Amended) The method according to claim 45, wherein the calculations are performed in a main unit.

57 - 71. Please cancel without prejudice.

CONDITIONAL PETITION FOR EXTENSION OF TIME

If any extension of time for this response is required, applicant requests that this be considered a petition therefore. Please charge the required Petition fee to Deposit Account No. 50-0521.

ADDITIONAL FEE

Please charge any insufficiency of fees, or credit any excess to our Deposit Account No. 50-0521.

REMARKS

Reconsideration of the application, as amended, is respectfully requested.